

## ABSTRACT

A traffic information calculation device includes: a probe information database for accumulating vehicle information including a vehicle position and the time of the vehicle position; a branch judgment unit for judging the branch direction of the vehicle at an intersection according to the position of the intersection on the map database and the vehicle information; and intersection traffic information calculation unit for calculating the wait time or jam length of the branch direction at the intersection from the vehicle information. Thus, the intersection traffic information calculation unit can calculate the traffic information for each branch direction at the intersection and it is possible to obtain accurate traffic information for each branch direction even at an intersection having five directions or more.